

October 14, 2016

**LOGAN
& ASSOCIATES**
Professional Engineers
P.O. Box 1508
Liberty, Missouri 64069

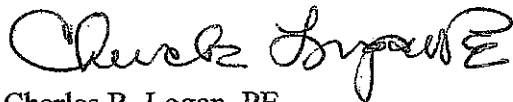
Shaw Construction
PO Box 166
Napoleon, Missouri 64074

Attn: Chris Shaw
Re: McGraw Homes, Monticello, Lot 12, 1344 NE Brandywine Road, Lee's Summit,
Missouri; soil verification inspection

Dear Sir:

This report is the builders' responsibility to submit to the City of Lee's Summit. An inspection was conducted on Friday, October 14, 2016 regarding the above referenced. For reference purposes the house faces south. The fill soil has been penetrated through to solid original clay soil. All of the footings, frost footings and pads now bear on solid original clay soil which is satisfactory to support the residential loads that rest upon it. If you have any questions, please contact me at my office.

Sincerely,
Logan & Associates, Inc.



Charles R. Logan, PE
President



October 31, 2016



P.O. Box 1508
Liberty, Missouri 64069


City of Lee's Summit
220 SE Green Street
Lee's Summit, Missouri 64063

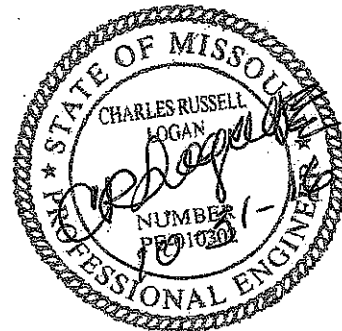
Attn: Building Inspections
Re: McGraw Homes, Monticello, Lot 12, 1344 NE Brandywine Road, Lee's Summit,
Missouri; foundation wall inspection

To whom it may concern:

An inspection was conducted on Saturday, October 29, 2016 regarding the above reference. For reference purposes the house faces south. The 4', 6' and 8' foundation walls were constructed 8" thick with vertical and horizontal $\frac{1}{2}$ " rebars on 24" centers both ways. Originally a 9' tall foundation wall was to be constructed in the front and around the garage perimeter. However 1' was added to the height making the total height of 10'. Therefore the $\frac{1}{2}$ " vertical steel on 12" centers was extended 12" on every other existing vertical $\frac{1}{2}$ " rebar. This makes every other vertical steel rebars equivalent to 1" rebars. The horizontal rebar was raised to the proper height in this 1' extension for this 10' tall wall. The 10' tall foundation wall was constructed 10" thick with (6) horizontal $\frac{1}{2}$ " rebars and vertical $\frac{1}{2}$ " rebars as previously described. This 10' tall x 10" thick south foundation wall was installed from the southwesterly corner to the west side of the garage. A 10' tall foundation wall was constructed 8" thick with (6) horizontal $\frac{1}{2}$ " rebars and vertical $\frac{1}{2}$ " rebars on 12" centers as previously described was constructed around the perimeter of the garage. This additional vertical steel extension and horizontal bar for both of the 10' tall walls are satisfactory as installed. Keyway and hook bars 12" on center was installed in the perimeter garage wall for future suspended garage slab. The basement slab is slab on grade. The steel reinforcing bars were in place in foundation wall forms. The foundation contractor, Shaw Construction, was given permission to place the concrete into the forms. If you have any questions, please contact me at my office.

Sincerely,
Logan & Associates, Inc.


Charles R. Logan, PE
President



cc: Shaw Construction